

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW013019\
 Data File : VW008471.D
 Acq On : 30 Jan 2019 18:04
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 10:47:15 AM

Quant Time: Jan 31 04:29:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	383729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	592141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	522865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	263122	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	185928	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.88	113	185529	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
50) Toluene-d8	10.32	98	716148	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.62	95	260234	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	101678	46.122	ug/l	99
3) Chloromethane	2.21	50	139018	44.382	ug/l	99
4) Vinyl Chloride	2.37	62	195708	49.083	ug/l	96
5) Bromomethane	2.78	94	145437	56.550	ug/l	99
6) Chloroethane	2.92	64	136948	56.160	ug/l	99
7) Trichlorofluoromethane	3.26	101	162742	47.216	ug/l	100
8) Diethyl Ether	3.67	74	100379	52.454	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.05	101	184984	53.299	ug/l	96
10) Methyl Iodide	4.26	142	305082	55.652	ug/l	99
11) Tert butyl alcohol	5.17	59	75684	249.362	ug/l	100
12) 1,1-Dichloroethene	4.03	96	180992	51.530	ug/l	99
13) Acrolein	3.89	56	54383	203.872	ug/l	99
14) Allyl chloride	4.66	41	319966	47.974	ug/l	97
15) Acrylonitrile	5.36	53	211180	255.564	ug/l	99
16) Acetone	4.12	43	192502	227.393	ug/l	96
17) Carbon Disulfide	4.37	76	528094	47.076	ug/l	98
18) Methyl Acetate	4.66	43	114426	50.677	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	316104	54.394	ug/l	95
20) Methylene Chloride	4.91	84	192572	49.354	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	203561	51.551	ug/l	95
22) Diisopropyl ether	6.31	45	618957	48.966	ug/l	97
23) Vinyl Acetate	6.25	43	1787461	239.480	ug/l	98
24) 1,1-Dichloroethane	6.21	63	362631	50.682	ug/l	99
25) 2-Butanone	7.17	43	278577	236.914	ug/l	98
26) 2,2-Dichloropropane	7.17	77	241907	50.018	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	228440	53.082	ug/l	96
28) Bromochloromethane	7.51	49	149869	45.604	ug/l	93
29) Tetrahydrofuran	7.52	42	179501	240.896	ug/l	95
30) Chloroform	7.67	83	370966	52.712	ug/l	98
31) Cyclohexane	7.95	56	315882	42.696	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	315999	51.986	ug/l	98
36) 1,1-Dichloropropene	8.08	75	290170	51.877	ug/l	99
37) Ethyl Acetate	7.25	43	123089	49.739	ug/l	97
38) Carbon Tetrachloride	8.07	117	306294	54.417	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	352177	47.929	ug/l	97
40) Benzene	8.32	78	809908	52.181	ug/l	99
41) Methacrylonitrile	7.48	41	76635	52.300	ug/l	96
42) 1,2-Dichloroethane	8.40	62	236939	52.677	ug/l	100
43) Isopropyl Acetate	8.42	43	254447	49.491	ug/l	96
44) Trichloroethene	9.09	130	231403	54.826	ug/l	97
45) 1,2-Dichloropropane	9.37	63	202852	52.417	ug/l	97
46) Dibromomethane	9.46	93	106813	53.662	ug/l	96
47) Bromodichloromethane	9.64	83	279404	53.070	ug/l	98
48) Methyl methacrylate	9.43	41	121229	48.224	ug/l	96
49) 1,4-Dioxane	9.45	88	37366	1110.588	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	629480	247.833	ug/l	98
52) Toluene	10.39	92	524755	51.217	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	284513	50.786	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	330140	51.928	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	147491	53.421	ug/l	98
56) Ethyl methacrylate	10.65	69	191841	49.589	ug/l	98
57) 1,3-Dichloropropane	10.93	76	257109	51.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	510906	271.808	ug/l	97
59) 2-Hexanone	10.97	43	436763	243.581	ug/l	99
60) Dibromochloromethane	11.13	129	190005	53.553	ug/l	99
61) 1,2-Dibromoethane	11.23	107	146234	53.418	ug/l	99
64) Tetrachloroethene	10.86	164	195490	55.221	ug/l	97
65) Chlorobenzene	11.66	112	581468	54.478	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	207555	54.351	ug/l	99
67) Ethyl Benzene	11.73	91	1022589	52.121	ug/l	99
68) m/p-Xylenes	11.84	106	793317	104.215	ug/l	97
69) o-Xylene	12.16	106	376854	52.103	ug/l	97
70) Styrene	12.18	104	615072	51.482	ug/l	98
71) Bromoform	12.35	173	114041	53.077	ug/l #	100
73) Isopropylbenzene	12.47	105	1035644	52.795	ug/l	100
74) N-amyl acetate	12.27	43	247866	49.049	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	166271	53.538	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	118962m	52.002	ug/l	
77) Bromobenzene	12.75	156	235978	55.083	ug/l	95
78) n-propylbenzene	12.80	91	1222021	51.868	ug/l	99
79) 2-Chlorotoluene	12.90	91	689849	51.888	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	850033	51.844	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	57533	49.672	ug/l	99
82) 4-Chlorotoluene	12.99	91	725045	51.222	ug/l	98
83) tert-Butylbenzene	13.21	119	777796	53.309	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	871223	52.278	ug/l	100
85) sec-Butylbenzene	13.39	105	1082840	51.967	ug/l	99
86) p-Isopropyltoluene	13.50	119	956324	52.395	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	465521	53.806	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	460101	53.510	ug/l	99
89) n-Butylbenzene	13.83	91	908459	50.692	ug/l	99
90) Hexachloroethane	14.10	117	184934	51.810	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	413450	54.008	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28538	48.430	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	288991	52.900	ug/l	99
94) Hexachlorobutadiene	15.24	225	175359	53.263	ug/l	99
95) Naphthalene	15.37	128	507242	52.881	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	244623	52.787	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

